

18 April

11.30-13.00 Registration (Dorpat Conference Center). Coffee

13.00 Opening

13.10 SESSION 1. Chair: Hannu Lehtonen

13.10-13.50 Status of Walleye *Sander vitreus* stocks in the Laurentian Great Lakes, North America (0017)

Ed Roseman¹, Dana Castle¹, Dave Fielder², Steve Hogler³, Jim Hoyle⁴, Patrick Kocovsky¹, Richard Kraus¹, Jana Lantry⁵, Arunas Liskauskas⁴, Jim Markham⁵, Richard O'Neal², Jason Robinson⁵, Chris Vandergoot⁶, Todd Wills², Troy Zorn²

¹USGS Great Lakes Science Center, Ann Arbor, MI, USA, ²Michigan DNR, Lansing, MI, USA, ³Wisconsin DNR, Madison, WI, USA, ⁴Ontario MNRF, Glenora, ON, Canada, ⁵New York DEC, Cape Vincent, NY, USA, ⁶Ohio DNR, Sandusky, OH, USA

13.50-14.10 Assessing the role of climate change and lake productivity on percid fish populations in a large Finnish Lapland watercourse (0014)

Kimmo Kahilainen^{1,2}, Brian Hayden^{2,3}, Kari Nyberg¹

¹University of Helsinki, Department of Environmental Sciences, Helsinki, Finland, ²University of Helsinki, Kilpisjärvi Biological Station, Kilpisjärvi, Finland, ³University of New Brunswick, Biology Department, Canadian Rivers Institute, Fredericton, Canada

14.10 Determining habitat limitations for Maumee River Walleye stock in Western Lake Erie (U.S.A) fish stocks (0015).

Brian Schmidt¹, Christine Mayer¹, Edward Roseman², Jeremy Pritt³

¹University of Toledo, Toledo, Ohio, USA, ²U.S.G.S. Great Lakes Science Center, Ann Arbor, Michigan, USA, ³Ohio Department of Natural Resources, Columbus, USA

14.30 The role of percid fishes in the diets of fish-eating birds (0012)

Martin Cech^{1,2}, Lukas Vejrik¹, Pavlina Raslova², Roman Lyach², Alena Hadravova², Pavel Cech³

¹Biology Centre of the Czech Academy of Sciences, Institute of Hydrobiology, Ceske Budejovice, Czech Republic, ²Institute of Environmental Studies, Faculty of Sciences, Charles University in Prague, Prague, Czech Republic, ³02/19 ZO CSOP Alcedo, Vlasim, Czech Republic

14.45 Comparative population genetic analysis of brackish and freshwater populations of Eurasian perch (*Perca fluviatilis* L.): implication for fish forensics (0023)

Lilian Pukk¹, Riho Gross¹, Markus Vetemaa², Anti Vasemägi^{1,3}

¹Estonian University of Life Sciences, Tartu, Estonia, ²University of Tartu, Tartu, Estonia, ³University of Turku, Turku, Finland

Coffee break

15.30 Session 2. Chair: Edward Roseman

15.30 Let's talk about sex - latitudinal variation in sexual dimorphism in life-history traits of a freshwater fish (0009)

Satu Estlander^{1,3}, Kimmo Kahilainen¹, Jukka Horppila¹, Mikko Olin¹, Martti Rask², Jan Kubečka³, Jiří Peterka³, Milan Říha³, Hannu Huuskonen⁴, Leena Nurminen¹

¹University of Helsinki, Helsinki, Finland, ²Natural resources Institute Finland, Jyväskylä, Finland, ³Hydrobiological Institute, Academy of Sciences of the Czech Republic, České Budějovice, Czech Republic, ⁴University of Eastern Finland, Joensuu, Finland

15.50 Distribution of egg strands of perch (*Perca fluviatilis* L.) in lakes and reservoirs: research and pleasure hand in hand (0004)

Martin Cech, Jiri Peterka, Milan Riha, Lukas Vejrik, Tomas Juza, Michal Kratochvil, Vladislav Drastik, Milan Muska, Zuzana Sajdlova, Jan Kubecka
Biology Centre, Czech Academy of Sciences, Institute of Hydrobiology, Ceske Budejovice, Czech Republic

16.10 Ovulation in European perch *Perca fluviatilis* L. (0002)

Toomas Saat, Kristo Ets
Estonian Marine Institute, University of Tartu, Tallinn, Estonia

16.20 Extremely shallow spawning of perch (*Perca fluviatilis* L.): the roles of sheltered bays, dense semi-terrestrial vegetation and low visibility in deeper water (0010)

Martin Cech, Jiri Peterka, Milan Riha, Lukas Vejrik, Tomas Juza, Michal Kratochvil, Vladislav Drastik, Milan Muska, Petr Znachor, Jan Kubecka
Biology Centre of the Czech Academy of Sciences, Institute of Hydrobiology, Ceske Budejovice, Czech Republic

16.40 Habitat use and migratory behaviour of pikeperch *Sander lucioperca* in Lithuanian and Latvian waters as inferred from otolith Sr:Ca ratios (0025)

Linas Lozys¹, Jen-Chieh Shiao², Yoshiyuki Iizuka³, Atis Minde⁴, Zilvinas Putys¹, Egle Jakubaviciute¹, Justas Dainys¹, Wann-Nian Tzeng⁵
¹Nature Research Centre, Vilnius, Lithuania, ²Institute of Oceanography, National Taiwan University, Taipei, Taiwan, ³Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan, ⁴Institute of Food Safety, Animal Health and Environment, Riga, Latvia, ⁵National Taiwan Ocean University, Taipei, Taiwan

17.00 Growth responses of the European perch (*Perca fluviatilis* L.) to various environmental changes in boreal lakes (0013)

Martti Rask¹, Mikko Olin², Kari Nyberg³, Jari Raitaniemi⁴, Jukka Ruuhijärvi⁵, Jari Syväranta⁶, Sami Vesala⁷, Jussi Vesterinen⁸
¹Natural Resources Institute Finland, Jyväskylä, Finland, ²University of Helsinki, Helsinki, Finland, ³University of Helsinki, Helsinki, Finland, ⁴Natural Resources Institute Finland, Turku, Finland, ⁵Natural Resources Institute Finland, Helsinki, Finland, ⁶Aarhus University, Aarhus, Denmark, ⁷Natural Resources Institute Finland, Helsinki, Finland, ⁸University of Jyväskylä, Jyväskylä, Finland

17.20 Migration of pikeperch between two large lakes, Peipsi and Võrtsjärv (Estonia) (0001)

Meelis Tambets¹, Einar Kärgerberg¹, Ain Järvalt²
¹Wildlife Estonia, Tartu, Estonia, ²University of Life Sciences, Tartu, Estonia

17.40 Effect of habitat type on short- and long-term growth parameters of the European perch (*Perca fluviatilis* L.) (0003)

Miloslav Petrtýl¹, Lukas Kalous¹, Jaroslava Frouzova², Martin Cech²
¹Czech University of Life Sciences Prague, Faculty of Agrobiology, Food and Natural Resources, Department of Zoology and Fisheries, Prague, Czech Republic, ²Biology Centre, Czech Academy of Sciences, Institute of Hydrobiology, Ceske Budejovice, Czech Republic

19.00-20,30 Get-together party (Museum of Zoology of the University of Tartu, Vanemuise Street 46)

19 April

09.00 Session 3. Chair: Martin Cech

09.00 Age-0 walleye diets reveal foodweb changes in western Lake Erie (Laurentian Great Lakes) between 1994-95 and 2014 (0006)

Dana Castle¹, Edward Roseman¹, Carson Prichard¹, Robert Hunter¹, Christopher Vandergoot², Mark Rogers³, Kristen Hebebrand⁴, Kevin Keeler⁴, Brian Schmidt⁴, Christine Mayer⁴, William Taylor⁵
¹*U.S.G.S. Great Lakes Science Center, Ann Arbor, MI, USA*, ²*OH Department of Natural Resources Sandusky Fisheries Research Station, Sandusky, OH, USA*, ³*U.S.G.S. Lake Erie Biological Station, Sandusky, OH, USA*, ⁴*University of Toledo, Toledo, OH, USA*, ⁵*Center for Systems Integration and Sustainability, Department of Fisheries and Wildlife, Michigan State University, East Lansing, MI, USA*

09.20 Dynamics of Walleye *Sander vitreus* Spawning and Larval Drift in the St. Clair - Detroit River System (0005)

Edward Roseman¹, Mark DuFour², Jeremy Pritt³, Jason Fischer^{1,2}, Robin DeBruyne^{1,2}, Greg Kennedy¹, Stacey Ireland¹, Dustin Bowser¹, Jaquie Craig¹, David Bennion¹
¹*USGS Great Lakes Science Center, Ann Arbor, MI, USA*, ²*University of Toledo Lake Erie Center, Toledo, OH, USA*, ³*Ohio Division of Wildlife, Columbus, OH, USA*

09.40 Reproductive characteristics of six exploited pikeperch (*Sander lucioperca*) populations in Finland (0016)

Mikko Olin¹, Jukka Ruuhijärvi², Teemu Roikonen¹, Joni Tiainen¹, Hannu Huuskonen³, Matti Kotakorpi⁴, Leena Nurminen¹, Anssi Vainikka³, Sami Vesala², Hannu Lehtonen¹
¹*University of Helsinki, Helsinki, Finland*, ²*Natural Resources Institute Finland, Helsinki, Finland*, ³*University of Eastern Finland, Joensuu, Finland*, ⁴*City of Lahti, Lahti, Finland*

10.00 Effects of supportive stockings of pikeperch (*Sander lucioperca*) on lake fisheries, a case study (022)

Jukka Ruuhijärvi¹, Sami Vesala¹, Pasi Ala-Opas¹, Katja Määttä²
¹*Natural Resources Institute Finland, Helsinki, Finland*, ²*Natural Resources Institute Finland, Jyväskylä, Finland*

10.20 Use of artificial "nests" for pikeperch spawning in Pärnu Bay (western Estonia) (0027)

Kalvi Hubel, Heli Shpilev, Ülle Talvik, Toomas Saat
Estonian Marine Institute, University of Tartu, Tallinn-Tartu-Pärnu, Estonia

10.40 Effects of non-selective and size-selective fishing on perch populations in a small divided lake (0020)

Mikko Olin, Joni Tiainen, Martti Rask, Mika Vinni, Kari Nyberg, Hannu Lehtonen
University of Helsinki, Helsinki, Finland

11.00 Coffee break

11.30 Session 4. Chair: Martti Rask

11.30 Different predator avoidance strategies of percid fry in lakes and reservoirs (0011)

Martin Cech, Vladislav Drastik, Jaroslava Frouzova, Tomas Juza, Lukas Vejrik, Zuzana Sajdlova, Michal Kratochvil, Jiri Peterka, Mojmir Vasek, Josef Matena, Jan Kubecka
Biology Centre of the Czech Academy of Sciences, Institute of Hydrobiology, Ceske Budejovice, Czech Republic

11.50 Lake Peipsi (Estonia/Russia) through centuries – similarities and differences between historical and modern time fisheries (0028)

Erki Tammiksaar, Külli Kangur
Estonian University of Life Sciences, Tartu, Estonia

12.20 Percids in Lake Peipsi: biology, fishery, and management (0029)

Väino Vaino, Vello Peedimaa, Toomas Saat
Estonian Marine Institute, University of Tartu, Tallinn-Tartu, Estonia

12.40 Percids in coastal waters of the Baltic Sea (Estonia). Biology, fishery, management (0030)

Redik Eschbaum, Markus Vetemaa, Heli Shpilev, Lauri Saks, Ülle Talvik, Aare Verliin, Kristiina Hommik, Toomas Saat
Estonian Marine Institute, University of Tartu, Tallinn-Tartu-Pärnu, Estonia

13.00 Biology and fisheries of pikeperch, *Sander lucioperca* (L.), in the German Baltic Sea area (0024)

Helmut Winkler
University of Rostock, Rostock, Germany

13.20 – 14.20 Oral presentations of posters:

Juvenile perch use the hypoxic pelagic zone as a refuge from predators (0007)

Lukas Vejrik, Ivana Matejickova, Jaroslava Frouzova, Jaromir Seda, Petr Blabolil, Daniel Ricard, Mojmir Vasek, Jan Kubecka, Milan Riha, Tomas Juza, Martin Cech
Biology Centre of the Czech Academy of Sciences, Institute of Hydrobiology, Ceske Budejovice, Czech Republic

Distribution, qualitative characteristics and behavior of bathypelagic perch (*Perca fluviatilis* L.) fry layer in reservoirs (0008)

Martin Cech, Vladislav Drastik, Jaroslava Frouzova, Michal Kratochvil, Tomas Juza, Zuzana Sajdlova, Jiri Peterka, Mojmir Vasek, Josef Matena, Jan Kubecka
Biology Centre, Czech Academy of Sciences, Institute of Hydrobiology, Ceske Budejovice, Czech Republic

Assessment of Shoreline Restoration Sites In the St. Clair-Detroit River System, USA (0018)

Jason Fischer^{1,2}, Ed Roseman¹, Ellen O'Neil¹, Kevin Keeler^{1,2}, Dana Castle¹, Stacey Ireland¹, Stacy Provo¹, Carson Prichard¹, Ryan Young^{1,3}, Paige Wigren¹, Ethan Acromite¹, Nathan Williams¹, Jenny Sutherland¹, Robert Hunter¹, Emily Galassini¹, Jake Magier¹
¹USGS GLSC, Ann Arbor, MI, USA, ²University of Toledo, Toledo, OH, USA, ³Illinois Natural History Survey, Champaign, IL, USA

Artificial reef placement as a method for removing beneficial use impairments within the St. Clair-Detroit River System (0021)

Ed Roseman¹, James Boase², Justin Chiotti², Robin DeBruyne^{1,6}, Jason Fischer^{1,4}, Stacey Ireland¹, Greg Kennedy¹, Jennifer Read⁵, Lynn Vaccaro⁵, Rich Drouin³
¹USGS Great Lakes Science Center, Ann Arbor, MI, USA, ²US Fish and Wildlife Service, Alpena, MI, USA, ³Ontario MNRF, London, Ontario, Canada, ⁴Michigan State University, East Lansing, MI, USA, ⁵Michigan Sea Grant Graham Water Center, Ann Arbor, MI, USA, ⁶University of Toledo, Toledo, OH, USA

Water salinity influence on perch (*Perca fluviatilis*) growth and behaviour (0026)

Justas Dainys, Egle Jakubaviciute, Zilvinas Putys, Linas Lozys
Nature Research Centre, Vilnius, Lithuania

Closing

19.00 Conference dinner

21 April

09.30 Conference tour (Lake Peipsi area)

Includes lunch. Back in Tartu at about 19.00

21-22 April

Tour to Pärnu and Saaremaa

Free for participants who have paid full registration fee. Departure on 21 April at 9.00, arrival at 21.00 on 22 April. Main places to visit: Pärnu (field station, fisheries information center, perch farm), on Saaremaa Island: castle in Kuressaare, Panga cliff, Vilsandi Island, Loona manor (dinner and accommodation)